

# Fujifilm **Pediatric Solutions**

Unique solutions for the  
world's most **unique patients**



# Five Unique Pediatric Benefits

Pediatric patients deserve **unique pediatric care**. That's why our focus is on sharper images and gentler dose—as well as everything you need to present and protect your data.



## Proven Safety

- **Ensure gentle dose** without sacrificing image quality.
- **Eliminate grids** to reduce dose and retakes.
- **Help improve infection control** with exclusive antibacterial coating.\*



## Advanced Precision

- **Improve diagnostic certainty** with enhanced image clarity, sharpness, and contrast.
- **Suppress noise in images without losing sharpness** and detail with advanced noise reduction circuitry.
- **Deliver images with as much as 20% greater dose efficiency** than traditional detectors with patented ISS technology.



## Enhanced Comfort

- **Calm patients** and parents with kid-friendly graphics.
- **Maximize comfort and minimize disturbance** with thin detectors that have tapered edges and are just the right size.
- **Speed exams and reduce the potential for retakes** with single-exposure, long-length detectors.



## Specialized Presentation

- **Improve patient care** with automated study and image notifications, acquiring only the images needed and reducing retakes.
- **Empower radiologists and technologists** to save time through simultaneous, real-time image collaboration and chat.
- **Utilize interruption workflows** to enable auto saving of exams, snapshot features, and to easily create and access interesting case collections.
- **Access the child's holistic imaging record** across the health network with a seamless global worklist.



## Trusted Protection

- **Capture, segregate, and manage data** to safeguard images from the most sensitive areas.
- **Facilitate real-time image collaboration** with physicians, parents, and specialists.
- **Present the entire imaging record** securely through the EHR with a single enterprise viewer.
- **Anonymize and segregate sensitive data** for specific storage requirements.



\*Reduction in colonization or bacterial growth on the device has not been shown to correlate with a reduction in infections in patients. Clinical studies to evaluate reduction in infection have not been performed.

**Safety. Precision. Comfort. Presentation. Protection.**

It's everything you expect in a pediatric solution, and exactly what we provide.

# FDR D-EVO II

digital x-ray detector

Our most durable and reliable DR detector features CsI and delivers improved diagnostic certainty with enhanced image clarity, sharpness, and contrast—and **lower, more gentle dose—for the smallest and most sensitive of patients.**

## Proven Pediatric Performance

### Reduced Dose and Retakes

**Patented Irradiated Side Sampling (ISS) technology** delivers images with as much as 20% greater dose efficiency (lower dose) than traditional detectors.

**Virtual Grid™** intelligent image processing replaces the use of a grid to enhance image contrast and clarity while reducing dose by as much as 50% compared to exams performed with a real grid, preventing retakes associated with grid use.

### Comfort and Safety

**24x30cm** is an ideal size for isolettes in the NICU, maximizing patient comfort and minimizing disturbance. Unlike other 25x30cm and 10x12 inch detectors, FDR D-EVO II's size is specifically designed to fit perfectly into all neonatal trays.

**Hydro AG Antibacterial Coating** provides an added safety measure against hospital acquired infections (HAIs) with 99.99% effectivity against the most common bacteria.\* FDR D-EVO II is the first and only detector in the world with an antibacterial coating. Hydro AG is Fujifilm's exclusive patented nano coating that uniquely regenerates germ-killing silver ions when stimulated by moisture.

### Precision

**Dynamic Visualization** enhances visualization of the entire image, intelligently compensating for anatomy, hardware, and patient thickness, dynamically extending visibility, and maximizing contrast recognition throughout the image.

**Noise Reduction Circuitry** suppresses noise in images without losing sharpness and detail, which is especially useful in ultra-low dose imaging.

\*Reduction in colonization or bacterial growth on the device has not been shown to correlate with a reduction in infections in patients. Clinical studies to evaluate reduction in infection have not been performed.

Available in 24x30cm,  
14x17 and 17x17 inch sizes



# FDR D-EVO GL

digital x-ray detector

The world's first and only single-exposure, long-length DR detector increases safety and comfort through faster image acquisition and **low, gentle dose for the youngest and most vulnerable patients.**

## Proven **Pediatric Performance**

### Reduced Dose and Retakes

**Patented Irradiated Side Sampling (ISS) technology** delivers images with as much as 20% greater dose efficiency (lower dose) than traditional detectors.

**Virtual Grid™** intelligent image processing replaces the use of a grid to enhance image contrast and clarity while reducing dose by as much as 50% compared to a real grid\* and eliminating positioning constraints and retakes associated with a real grid.

### Comfort and Safety

**The unique 17x49" size** expands the field of view width by 3 full inches, reducing the need for retakes due to anatomy cutoff and making it ideal for scoliosis and long-leg exams.

**Single exposure** acquires the full image in seconds, reducing the time needed for the patient to remain standing still and the likelihood of motion-induced artifacts.

### Precision

**Noise Reduction Circuitry** suppresses noise in images without losing sharpness and detail, which is especially useful in ultra-low dose imaging.



\*Consult user manual for patient parameters when using FDR D-EVO GL with Virtual Grid.



portable digital x-ray system

FDR Go's compact design is smooth and speedy, making it one of the world's quietest and most agile mobile x-ray platforms—and **a reliable ally when treating young patients.**

## Proven **Pediatric Performance**

### Safety and Reduced Retakes

**Images** are captured and displayed in seconds at the patient's bedside, virtually eliminating patient movement.

### Comfort and Convenience

**Kid-friendly graphic decals** that calm and bring a smile to both patients and parents are available.

**Compact design** makes it ideal for navigating busy environments and tight spaces (e.g., ER, OR, NICU, bedside).

### Features

- Large 17-inch display
- System inching movement controls at the tube head
- Small tube design
- Tall long reach
- PIC line and specialized views
- RIS and PACS shortcuts
- Customizable automated pediatric/adult menus
- Dose calculation display
- Storage for wipes
- Detector bagging areas
- Smart-system sleep
- Standby and charging mode



# FDR AQRO

portable digital x-ray system

A revolutionary compact, portable digital x-ray system with **ultra-low dose and impeccable maneuverability for the tightest of spaces** and easy in-department storage for on-demand availability.

## Proven **Pediatric Performance**

### Safety and Reduced Dose

**FDR AQRO** combines the best of Fujifilm's latest advancements and core dose-saving technologies, enabling the acquisition of exceptional images at gentle dose.

**Hydro AG Antibacterial Coating** provides an added safety measure against HAIs with 99.99% effectivity against the most common bacteria.\* Hydro AG protection is included on the primary surfaces of the FDR AQRO, in addition to the FDR D-EVO II detector. FDR AQRO also features a clean wipe-down design with less cords.

### On-Site Convenience and Comfort

**Light, compact, maneuverable design** with a small body, special nano tube head, and a cord-free tube column delivers amazing fit and is easy to transport in busy and sterile environments.

**Dedicated, in-department use** for immediate availability and increased control, helping prevent germs travelling from other departments (e.g., NICU, ICU, PICU, OR, ER).

**Kid-friendly graphic decals** that calm both patients and parents are available.

### Features

**12-hour battery life** with a 15-minute quick-charge for 1 full hour of use and full plug-in usability.

**On-board detector charging,** synchronization, and a tilting bagging slot.

#### **Full-feature workstation**

- Customizable automated pediatric and adult menus
- PIC line and specialized views
- RIS and PACS shortcuts
- Dose calculation display
- Storage for wipes



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# SYNAPSE<sup>®</sup> Enterprise Imaging

Fujifilm's Enterprise Imaging solutions enable secure and holistic access to pediatric imaging data and records.

## Specialized **Pediatric Presentation**

**Improve** patient care with automated study and image notifications, acquiring only the images needed and reducing retakes.

**Empower** radiologists and technologists to save time through simultaneous, real-time image collaboration and chat.

**Utilize** interruption workflows to enable auto saving of exams and snapshot features and easily create and access interesting case collections.

**Access** the child's holistic imaging record across the health network with a seamless global worklist.

**Develop** the design and enable surgeons to plan pre-operatively—long before the child's procedure.

### **Synapse 5 PACS**

is a next-generation secure server-side technology that enables instant access to massive datasets using the most popular browsers with at least half the bandwidth throughout the enterprise.

▶ Learn more today.

### **Synapse VNA (Vendor Neutral Archive)**

is designed for true imaging interoperability, providing secure, easy-to-manage storage and access to the complete patient imaging record—while linking all HIT systems.

▶ Learn more today.

## Trusted **Pediatric Protection**

**Facilitate** real-time image collaboration with physicians, parents, and specialists.

**Present** the entire imaging record securely through the EHR with a single enterprise viewer.

**Anonymize** and segregate sensitive data for specific storage requirements.

**Secure** all patient images and information centrally in the data center.



### **Synapse Cardiovascular**

is at the heart of your cardiology department—growing with your patients and providing imaging review, measurement analysis, and advanced reporting—from Fetal to Pediatrics and through adulthood.

▶ Learn more today.

### **Synapse 3D**

applications are designed in collaboration with radiologists, cardiologists, surgeons, and other specialists to produce clinical solutions relevant to individual patient care.

▶ Learn more today.

# Unique Solutions for the World's Most **Unique Patients**

“Due to the sensitivity of the babies in the NICU, we want to remove them from the isolettes only when necessary. The [24x30 D-EVO] plate fit perfectly, and the image quality we were shown was fantastic...**It's a huge advantage** to be able to bring that to the bedside—we disturb the babies so much less than we would otherwise.”

– **Kari Kunze**, Radiology Supervisor at Children's Hospital & Medical Center in Omaha

“We were pleasantly surprised that our **biggest [dose] reduction was from FDR Go** [approximately 50 percent in the move away from CR to Fujifilm's portable DR system.]”

– **Troy Nelson**, Radiology Director at Children's Hospital at OU Medical Center in Oklahoma City



Learn how **Fujifilm Pediatric Solutions** can improve performance in your organization.

If you would like to schedule a product demonstration or have a representative contact you, please click here.

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Value from Innovation